

sticresults.txt

1. Title: US- 10- 615- 383A- 7\_COPY\_102\_2894

Sequence: 1 tt aaaaaaaaaa atttt act . . . . . at ag aaaaaa at aaaa at t aa 2793

DE Staphyl ococcus epi der mi di s ORF nucl ei c aci d sequence SEQ ID NO: 2477.

XX

KW Staphyl ococcus epi der mi di s; open reading frame; ORF; bacterial infection;

KW antibacterial; gene therapy; gene; ds.

XX

OS Staphyl ococcus epi der mi di s.

XX

PN US6380370- B1.

XX

PD 30- APR- 2002.

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PF 13- AUG- 1998; 98US- 00134001.

XX

PR 14- AUG- 1997; 97US- 0055779P.

PR 08- NOV- 1997; 97US- 0064964P.

XX

PA ( GENO- ) GENOME THERAPEUTICS CORP.

XX

PI Doucet t e- St amm LA, Bush D;

XX

DR WPI ; 2002- 381255/ 41.

DR P- PSDB; ABP40469.

XX

PT Novel isolated nucleic acid encoding a Staphyl ococcus epi der mi s

PT polypeptide, useful for diagnosing and treating bacterial infections.

XX

PS Disclosure; SEQ ID NO 2477; 267pp; English.

XX

CC ABN90538 to ABN93374 represent Staphyl ococcus epi der mi di s open reading

CC frame (ORF) nucleic acid sequences which encode the amino acid sequences

CC given in ABP35124 to ABP37960. The S. epi der mi di s sequences have

CC antibacterial activity and can be used in gene therapy. The sequences can

CC also be used in the diagnosis and treatment of bacterial infections,

CC particularly S. epi der mi di s infections. The sequences can be used to

CC screen for compounds able to interfere with the S. epi der mi di s life cycle

CC or inhibit S. epi der mi di s infection. N.B. The sequence data for this

CC patent did not form part of the printed specification, but was obtained

CC in electronic format directly from the USPTO web site

XX

SQ Sequence 2793 BP; 1149 A; 423 C; 497 G; 724 T; 0 U; 0 Other;

Query Match 99.9% Score 2791.4; DB 1; Length 2793;

Best Local Similarity 99.9% Pred. No. 0;

Matches 2792; Conservative 0; M smatches 1; Indels 0; Gaps 0;

Qy	1	TTAAAAAAAAATAATTTACTAACTAAAAAGAAACCTATAGCAAATAAATCCAATAAATAT	60
Db	1	TTAAAAAAAAATAATTTACTAACTAAAAAGAAACCTATAGCAAATAAATCCAATAAATAT	60
Qy	61	GCAATTAGAAAATTCACAGTAGGTACAGCGTCTATTGTAATAGGTGCAGCATTATTGTTT	120
Db	61	GCAATTAGAAAATTCACAGTAGGTACAGCGTCTATTGTAATAGGTGCAACATTATTGTTT	120
Qy	121	GGTTTAGGTCATAATGAGGCCAAAGCTGAGGAGAATACAGTACAAGACGTTAAAGATTG	180
Db	121	GGTTTAGGTCATAATGAGGCCAAAGCTGAGGAGAATACAGTACAAGACGTTAAAGATTG	180
Qy	181	AATATGGATGATGAATTATCAGATAGCAATGATCAGTCCAGTAATGAAGAAAAGAATGAT	240
Db	181	AATATGGATGATGAATTATCAGATAGCAATGATCAGTCCAGTAATGAAGAAAAGAATGAT	240

st i c r e s u l t s . t x t

Qy 241 GTAATCAATAATAGTCAGTCAATAAACACCGATGATGATAACCAAATAAAAAAGAAGAA 300  
 Db 241 GTAATCAATAATAGTCAGTCAATAAACACCGATGATGATAACCAAATAAAAAAGAAGAA 300  
 Qy 301 ACGAATAGCAACGATGCCATAGAAAATCGCTCTAAAGATATAACACAGTCAACAACAAAT 360  
 Db 301 ACGAATAGCAACGATGCCATAGAAAATCGCTCTAAAGATATAACACAGTCAACAACAAAT 360  
 Qy 361 GTAGATGAAAAOGAAGCAACATTTTTACAAAAGACOOCTCAAGATAATACTCAGCTTAAA 420  
 Db 361 GTAGATGAAAAOGAAGCAACATTTTTACAAAAGACOOCTCAAGATAATACTCAGCTTAAA 420  
 Qy 421 GAAGAAGTGGTAAAAGAACOOCTCATCAGTCGAATCCTCAAATTCATCAATGGATACTGOC 480  
 Db 421 GAAGAAGTGGTAAAAGAACOOCTCATCAGTCGAATCCTCAAATTCATCAATGGATACTGOC 480  
 Qy 481 CAACAACCATCTCATACAACAATAAATAGTGAAGCATCTATTCAAACAAGTGATAATGAA 540  
 Db 481 CAACAACCATCTCATACAACAATAAATAGTGAAGCATCTATTCAAACAAGTGATAATGAA 540  
 Qy 541 GAAAATTCCOGGTATCAGATTTTTGCTAACTCTAAAATAATAGAGAGTAACACTGAATOC 600  
 Db 541 GAAAATTCCOGGTATCAGATTTTTGCTAACTCTAAAATAATAGAGAGTAACACTGAATOC 600  
 Qy 601 AATAAAGAAGAGAATACTATAGAGCAAOCTAACAAAGTAAGAGAAGATTCAATAACAAGT 660  
 Db 601 AATAAAGAAGAGAATACTATAGAGCAAOCTAACAAAGTAAGAGAAGATTCAATAACAAGT 660  
 Qy 661 CAACCGTCTAGCTATAAAAATATAGATGAAAAAATTTCAAATCAAGATGAGTTATTAAAT 720  
 Db 661 CAACCGTCTAGCTATAAAAATATAGATGAAAAAATTTCAAATCAAGATGAGTTATTAAAT 720  
 Qy 721 TTACCAATAAATGAATATGAAAATAAGGTTAGACOGTTATCTACAACATCTGCCCCAACA 780  
 Db 721 TTACCAATAAATGAATATGAAAATAAGGTTAGACOGTTATCTACAACATCTGCCCCAACA 780  
 Qy 781 TCGAGTAAGCGTGTAAOCGTAAATCAATTAGCGGCAGAACAAGGTTGAATGTTAATCAT 840  
 Db 781 TCGAGTAAGCGTGTAAOCGTAAATCAATTAGCGGCAGAACAAGGTTGAATGTTAATCAT 840  
 Qy 841 TTAATTAAAGTTACTGATCAAAGTATTACTGAAGGATATGATGATAGTGATGGTATTATT 900  
 Db 841 TTAATTAAAGTTACTGATCAAAGTATTACTGAAGGATATGATGATAGTGATGGTATTATT 900  
 Qy 901 AAAGCACATGATGCTGAAAACCTTAATCTATGATGTAACTTTTGAAGTAGATGATAAGGTG 960  
 Db 901 AAAGCACATGATGCTGAAAACCTTAATCTATGATGTAACTTTTGAAGTAGATGATAAGGTG 960  
 Qy 961 AAATCTGGTGATACGATGACAGTGAATATAGATAAGAATACAGTTCATCAGATTTAACC 1020  
 Db 961 AAATCTGGTGATACGATGACAGTGAATATAGATAAGAATACAGTTCATCAGATTTAACC 1020  
 Qy 1021 GATAGTTTTGCAATACCAAAAAATAAAGATAATTCTGGAGAAATCATCGCTACAGGTACT 1080  
 Db 1021 GATAGTTTTGCAATACCAAAAAATAAAGATAATTCTGGAGAAATCATCGCTACAGGTACT 1080  
 Qy 1081 TATGACAACACAAATAAACAAATTACCTACACTTTTACAGATTATGTAGATAAATATGAA 1140  
 Db 1081 TATGACAACACAAATAAACAAATTACCTACACTTTTACAGATTATGTAGATAAATATGAA 1140  
 Qy 1141 AATATTAAAGCGCACCTTAAATTAACATCATACATTGATAAATCAAAGGTTCCAAATAAT 1200  
 Db 1141 AATATTAAAGCGCACCTTAAATTAACATCATACATTGATAAATCAAAGGTTCCAAATAAT 1200

sticresults.txt

2. Title: US-10-615-383A-10\_COPY\_51\_598  
Sequence: 1 ENTVDVKDSNMDELSDSN.....TI AFSTSSGQGGDLPEKT 548  
DE Staphylococcus epidermidis ORF amino acid sequence SEQ ID NO: 5314.  
XX  
KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;  
KW antibacterial; gene therapy.  
XX  
OS Staphylococcus epidermidis.  
XX  
PN US6380370-B1.  
XX  
PD 30-APR-2002.  
XX  
PF 13-AUG-1998; 98US-00134001.  
XX  
PR 14-AUG-1997; 97US-0055779P.  
PR 08-NOV-1997; 97US-0064964P.  
XX  
PA (GENO-) GENOME THERAPEUTICS CORP.  
XX  
PI Doucette-Stamm LA, Bush D;  
XX  
DR WPI; 2002-381255/41.  
DR N-PSDB; ABN93014.  
XX  
PT Novel isolated nucleic acid encoding a Staphylococcus epidermis  
PT polypeptide, useful for diagnosing and treating bacterial infections.  
XX  
PS Disclosure; SEQ ID NO 5314; 267pp; English.  
XX  
CC ABN90538 to ABN93374 represent Staphylococcus epidermidis open reading  
CC frame (ORF) nucleic acid sequences which encode the amino acid sequences  
CC given in ABP35124 to ABP37960. The S. epidermidis sequences have  
CC antibacterial activity and can be used in gene therapy. The sequences can  
CC also be used in the diagnosis and treatment of bacterial infections,  
CC particularly S. epidermidis infections. The sequences can be used to  
CC screen for compounds able to interfere with the S. epidermidis life cycle  
CC or inhibit S. epidermidis infection. N.B. The sequence data for this  
CC patent did not form part of the printed specification, but was obtained  
CC in electronic format directly from the USPTO web site  
XX  
SQ Sequence 930 AA;

Query Match 100.0% Score 2808; DB 1; Length 930;  
Best Local Similarity 100.0% Pred. No. 2.3e-138;  
Matches 548; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ENTVDVKDSNMDELSDSN	DQSSNEEKNDVI	NNSQSI	NTDDDNQ	KKEETNSND	AI ENR	60
Db	51	ENTVDVKDSNMDELSDSN	DQSSNEEKNDVI	NNSQSI	NTDDDNQ	KKEETNSND	AI ENR	110
Qy	61	SKDI	TQSTTNVDENEATFL	QKTPQDNTQL	KEEVVKEPSSVESSN	SSMDTAQQPSHTTI	NS	120
Db	111	SKDI	TQSTTNVDENEATFL	QKTPQDNTQL	KEEVVKEPSSVESSN	SSMDTAQQPSHTTI	NS	170
Qy	121	EASI	QTSNEENSRVSDFANSKI	ESNTESNKEENTI	EQPNKVREDSI	TSQPSSYKNI	DE	180
Db	171	EASI	QTSNEENSRVSDFANSKI	ESNTESNKEENTI	EQPNKVREDSI	TSQPSSYKNI	DE	230
Qy	181	KI	SNQDELLNLPI	NEYENKVRPLSTT	SAQPSSKRVTVNQLAAEQGSNVNHLI	KVTDQSI	T	240
Db	231	KI	SNQDELLNLPI	NEYENKVRPLSTT	SAQPSSKRVTVNQLAAEQGSNVNHLI	KVTDQSI	T	290

st i c r e s u l t s . t x t

Qy 241 EGYDDSDGI | KAHD AENLI YDVT FEVD DKVKS GDTMTVNI DKNTVPSDLTDSFAI PKI KD 300  
 Db 291 EGYDDSDGI | KAHD AENLI YDVT FEVD DKVKS GDTMTVNI DKNTVPSDLTDSFAI PKI KD 350  
 Qy 301 NSGEI | ATGT YDNTNKQI TYTFTDYVDKYENI KAHLKLTSYI DSKVPNNNTKLDVEYKT 360  
 Db 351 NSGEI | ATGT YDNTNKQI TYTFTDYVDKYENI KAHLKLTSYI DSKVPNNNTKLDVEYKT 410  
 Qy 361 ALSSVNKT I TVEYQKPNENRTANLQSMFTNI DTKNHTVEQTI YI NPLRYSAKETNVNI SG 420  
 Db 411 ALSSVNKT I TVEYQKPNENRTANLQSMFTNI DTKNHTVEQTI YI NPLRYSAKETNVNI SG 470  
 Qy 421 NGDEGSTI | DDSTI | KVKYKVDNQNL PDSNRI YDYSEYEDVTNDDYAQLGNINNDVNI NFG 480  
 Db 471 NGDEGSTI | DDSTI | KVKYKVDNQNL PDSNRI YDYSEYEDVTNDDYAQLGNINNDVNI NFG 530  
 Qy 481 NI DSPYI | KVI SKYDPNKDDYTTI QQTVTMQTTI NEYTGEFRTASYDNTI AFSTSSGGGQ 540  
 Db 531 NI DSPYI | KVI SKYDPNKDDYTTI QQTVTMQTTI NEYTGEFRTASYDNTI AFSTSSGGGQ 590  
 Qy 541 GDLPEKT 548  
 Db 591 GDLPEKT 598  
 Qy 1201 AACACTAAGTTAGATGTAGAATATAAGAOGGCOCTTTTCATCAGTAAATAAAACAATTACG 1260  
 Db 1201 AACACTAAGTTAGATGTAGAATATAAGAOGGCOCTTTTCATCAGTAAATAAAACAATTACG 1260  
 Qy 1261 GTTGAATATCAAAAACCTAACGAAAATCGGACTGCTAACCTTCAAAGTATGTTACAAAAC 1320  
 Db 1261 GTTGAATATCAAAAACCTAACGAAAATCGGACTGCTAACCTTCAAAGTATGTTACAAAAC 1320  
 Qy 1321 ATAGATACGAAAAACCATACAGTTGAGCAAACGATTTATATTAAOCCCTCTTCGTTATTCA 1380  
 Db 1321 ATAGATACGAAAAACCATACAGTTGAGCAAACGATTTATATTAAOCCCTCTTCGTTATTCA 1380  
 Qy 1381 GCCAAAGAAACAAATGTAATATTTTCAGGGAATGGCGATGAAGGTTCAACAATTATCGAC 1440  
 Db 1381 GCCAAAGAAACAAATGTAATATTTTCAGGGAATGGCGATGAAGGTTCAACAATTATCGAC 1440  
 Qy 1441 GATAGTACAATCATTAAAGTTTATAAGGTTGGAGATAATCAAAATTTACAGATAGTAAC 1500  
 Db 1441 GATAGTACAATCATTAAAGTTTATAAGGTTGGAGATAATCAAAATTTACAGATAGTAAC 1500  
 Qy 1501 AGAATTTATGATTACAGTGAATATGAAGATGTCACAAATGATGATTATGCCAATTAGGA 1560  
 Db 1501 AGAATTTATGATTACAGTGAATATGAAGATGTCACAAATGATGATTATGCCAATTAGGA 1560  
 Qy 1561 AATAATAATGACGTGAATATTAATTTTGGTAATATAGATTACCATATATTATTAAGTT 1620  
 Db 1561 AATAATAATGACGTGAATATTAATTTTGGTAATATAGATTACCATATATTATTAAGTT 1620  
 Qy 1621 ATTAGTAAATATGACCTAATAAGGACGATTACAOGACGATACAGCAAACGTGACAATG 1680  
 Db 1621 ATTAGTAAATATGACCTAATAAGGACGATTACAOGACGATACAGCAAACGTGACAATG 1680  
 Qy 1681 CAAACGACTATAAATGAGTATACTGGTGAGTTTGAACAGCATOCTATGATAATACAATT 1740  
 Db 1681 CAAACGACTATAAATGAGTATACTGGTGAGTTTGAACAGCATOCTATGATAATACAATT 1740  
 Qy 1741 GCTTTCTCTACAAGTT CAGGTCAAGGACAAGGTGACTTGCOCTOCTGAAAAAACTTATAAA 1800

st i c r e s u l t s . t x t

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Db      1741  GCTTTCTCTACAAGTTCAGGTCAAGGACAAGGTGACTTGOCTOCTGAAAAAAGTTATAAA 1800
Qy      1801  ATCGGAGATTACGTATGGGAAGATGTAGATAAAGATGGTATTCAAAATACAAATGATAAT 1860
Db      1801  ATCGGAGATTACGTATGGGAAGATGTAGATAAAGATGGTATTCAAAATACAAATGATAAT 1860
Qy      1861  GAAAAACCGCTTAGTAATGTATTGGTAACTTTGAOGTATCCTGATGGAACCTTCAAAATCA 1920
Db      1861  GAAAAACCGCTTAGTAATGTATTGGTAACTTTGAOGTATCCTGATGGAACCTTCAAAATCA 1920
Qy      1921  GTCAGAACAGATGAAGAGGGGAAATATCAATTTGATGGGTAAAAAACGGATTGACTTAT 1980
Db      1921  GTCAGAACAGATGAAGAGGGGAAATATCAATTTGATGGGTAAAAAACGGATTGACTTAT 1980
Qy      1981  AAAATTACATTGAAACACCGGAAGGATATACGCOGACGCTTAAACATTGAGGAACAAAT 2040
Db      1981  AAAATTACATTGAAACACCGGAAGGATATACGCOGACGCTTAAACATTGAGGAACAAAT 2040
Qy      2041  OCTGCACTAGACTCAGAAGGCAATTCTGTATGGGTAACTATTAAOAGACAAGACGATATG 2100
Db      2041  OCTGCACTAGACTCAGAAGGCAATTCTGTATGGGTAACTATTAAOAGACAAGACGATATG 2100
Qy      2101  ACTATTGATAGCGGATTTTATCAAACAOCTAAATATAGCTTAGGGAAGTATGTATGGTAT 2160
Db      2101  ACTATTGATAGCGGATTTTATCAAACAOCTAAATATAGCTTAGGGAAGTATGTATGGTAT 2160
Qy      2161  GACACTAATAAAGATGGTATTCAAGGTGATGATGAAAAAGGAATCTCTGGAGTAAAAGTG 2220
Db      2161  GACACTAATAAAGATGGTATTCAAGGTGATGATGAAAAAGGAATCTCTGGAGTAAAAGTG 2220
Qy      2221  ACGTTAAAAGATGAAAAOAGAAATATCATTAGTACAACAACAAGTATGAAAAATGAAAG 2280
Db      2221  ACGTTAAAAGATGAAAAOAGAAATATCATTAGTACAACAACAAGTATGAAAAATGAAAG 2280
Qy      2281  TATCAATTTGATAATTTAAATAGTGGTAATTATATTGTTCATTTTGATAAACCTTCAGGT 2340
Db      2281  TATCAATTTGATAATTTAAATAGTGGTAATTATATTGTTCATTTTGATAAACCTTCAGGT 2340
Qy      2341  ATGACTCAAACAACAACAGATTCTGGTGATGATGAOAGACAGGATGCTGATGGGGAAGAA 2400
Db      2341  ATGACTCAAACAACAACAGATTCTGGTGATGATGAOAGACAGGATGCTGATGGGGAAGAA 2400
Qy      2401  GTCOCATGTAAACAATTACTGATCATGATGACTTTAGTATAGATAACGGATACTATGATGAC 2460
Db      2401  GTCOCATGTAAACAATTACTGATCATGATGACTTTAGTATAGATAACGGATACTATGATGAC 2460
Qy      2461  GACTCAGATTGAGATAGTGATTGAGACTCAGATAGOGACGACTCAGACTCOGATAGOGAT 2520
Db      2461  GACTCAGATTGAGATAGTGATTGAGACTCAGATAGOGACGACTCAGACTCOGATAGOGAT 2520
Qy      2521  TCOGACTCAGACAGOGACTCAGATTCOGATAGTGATTGAGATTGAGACAGTGACTCAGAC 2580
Db      2521  TCOGACTCAGACAGOGACTCAGATTCOGATAGTGATTGAGATTGAGACAGTGACTCAGAC 2580
Qy      2581  TCAGATAGTGATTGAGATTGAGACAGOGATTTCOGACTCAGACAGTGACTCAGGATTAGAC 2640
Db      2581  TCAGATAGTGATTGAGATTGAGACAGOGATTTCOGACTCAGACAGTGACTCAGGATTAGAC 2640
Qy      2641  AATAGCTCAGATAAGAATACAAAAGATAAATTACOGGATACAGGAGCTAATGAAGATCAT 2700
Db      2641  AATAGCTCAGATAAGAATACAAAAGATAAATTACOGGATACAGGAGCTAATGAAGATCAT 2700

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                                st i c r e s u l t s . t x t
Qy      2701 GATTCTAAAGGCACATTACTTGGAGCTTTATTTGCAGGTTTAGGAGCGTTATTATTAGGG 2760
Db      2701 GATTCTAAAGGCACATTACTTGGAGCTTTATTTGCAGGTTTAGGAGCGTTATTATTAGGG 2760
Qy      2761 AAGCGTCGCAAAAATAGAAAAAATAAAAATTAA 2793
Db      2761 AAGCGTCGCAAAAATAGAAAAAATAAAAATTAA 2793

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3. Title: US- 10- 615- 383A- 7\_OOPY\_252\_1895

Sequence: 1 gagaat acagt acaagacgt . . . . . act t gcct cct gaaaaaact 1644

DE Staphyl ococcus epi der m di s ORF nucl ei c aci d sequence SEQ I D NO: 2477.

XX

KW Staphyl ococcus epi der m di s; open reading frame; ORF; bacterial infection;  
 KW antibacterial; gene therapy; gene; ds.

XX

OS Staphyl ococcus epi der m di s.

XX

PN US6380370- B1.

XX

PD 30- APR- 2002.

XX

PF 13- AUG- 1998; 98US- 00134001.

XX

PR 14- AUG- 1997; 97US- 0055779P.

PR

08- NOV- 1997; 97US- 0064964P.

XX

PA ( GENO- ) GENOME THERAPEUTI CS CORP.

XX

PI Doucet t e- St amm LA, Bush D;

XX

DR WPI ; 2002- 381255/ 41.

DR

P- PSDB; ABP40469.

XX

PT Novel isolated nucleic acid encoding a Staphyl ococcus epi der m di s  
 PT polypeptide, useful for diagnosing and treating bacterial infections.

XX

PS Disclosure; SEQ I D NO 2477; 267pp; Engl ish.

XX

CC ABN90538 to ABN93374 represent Staphyl ococcus epi der m di s open reading  
 CC frame (ORF) nucleic acid sequences which encode the amino acid sequences  
 CC given in ABP35124 to ABP37960. The S. epi der m di s sequences have  
 CC antibacterial activity and can be used in gene therapy. The sequences can  
 CC also be used in the diagnosis and treatment of bacterial infections,  
 CC particularly S. epi der m di s infections. The sequences can be used to  
 CC screen for compounds able to interfere with the S. epi der m di s life cycle  
 CC or inhibit S. epi der m di s infection. N.B. The sequence data for this  
 CC patent did not form part of the printed specification, but was obtained  
 CC in electronic format directly from the USPTO web site

XX

SQ Sequence 2793 BP; 1149 A; 423 C; 497 G; 724 T; 0 U; 0 Other;

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Query Match          100.0%   Score 1644;   DB 1;   Length 2793;
Best Local Similarity 100.0%   Pred. No. 3.3e-288;
Matches 1644;   Conservative 0;   M smatches 0;   Indel s 0;   Gaps 0;

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Qy      1  GAGAATACAGTACAAGACGTTAAAGATTGAATATGGATGATGAATTATCAGATAGCAAT 60
Db      151 GAGAATACAGTACAAGACGTTAAAGATTGAATATGGATGATGAATTATCAGATAGCAAT 210
Qy      61  GATCAGTCCAGTAATGAAGAAAAGAATGATGTAATCAATAATAGTCAGTCAATAAACACC 120
Db      211 GATCAGTCCAGTAATGAAGAAAAGAATGATGTAATCAATAATAGTCAGTCAATAAACACC 270

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sticresults.txt

Qy 121 GATGATGATAACCAAATAAAAAAGAAGAAACGAATAGCAACGATGCCATAGAAAATCGC 180  
 Db 271 GATGATGATAACCAAATAAAAAAGAAGAAACGAATAGCAACGATGCCATAGAAAATCGC 330  
 Qy 181 TCTAAAGATATAACACAGTCAACAACAAATGTAGATGAAAACGAAGCAACATTTTTACAA 240  
 Db 331 TCTAAAGATATAACACAGTCAACAACAAATGTAGATGAAAACGAAGCAACATTTTTACAA 390  
 Qy 241 AAGACCCCTCAAGATAATACTCAGCTTAAAGAAGAAGTGGTAAAAGAACCCCTCATCAGTC 300  
 Db 391 AAGACCCCTCAAGATAATACTCAGCTTAAAGAAGAAGTGGTAAAAGAACCCCTCATCAGTC 450  
 Qy 301 GAATCCTCAAATTCATCAATGGATACTGCCCCAACCAACCATCTCATACAACAATAAATAGT 360  
 Db 451 GAATCCTCAAATTCATCAATGGATACTGCCCCAACCAACCATCTCATACAACAATAAATAGT 510  
 Qy 361 GAAGCATCTATTCAAACAAGTGATAATGAAGAAAATTCCCGGTATCAGATTTTGCTAAC 420  
 Db 511 GAAGCATCTATTCAAACAAGTGATAATGAAGAAAATTCCCGGTATCAGATTTTGCTAAC 570  
 Qy 421 TCTAAAATAATAGAGAGTAACACTGAATCCAATAAAGAAGAGAATACTATAGAGCAACCT 480  
 Db 571 TCTAAAATAATAGAGAGTAACACTGAATCCAATAAAGAAGAGAATACTATAGAGCAACCT 630  
 Qy 481 AACAAAGTAAGAGAAGATTCAATAACAAGTCAACCGTCTAGCTATAAAAATATAGATGAA 540  
 Db 631 AACAAAGTAAGAGAAGATTCAATAACAAGTCAACCGTCTAGCTATAAAAATATAGATGAA 690  
 Qy 541 AAAATTTCAAATCAAGATGAGTTATTAAATTTACCAATAAATGAATATGAAAATAAGGTT 600  
 Db 691 AAAATTTCAAATCAAGATGAGTTATTAAATTTACCAATAAATGAATATGAAAATAAGGTT 750  
 Qy 601 AGACCGTTATCTACAACATCTGCCAACCATCGAGTAAGCGTGTAAACGTAATCAATTA 660  
 Db 751 AGACCGTTATCTACAACATCTGCCAACCATCGAGTAAGCGTGTAAACGTAATCAATTA 810  
 Qy 661 GCGGCAGAACAAGGTTGAATGTTAATCATTTAATTAAAGTTACTGATCAAAGTATTACT 720  
 Db 811 GCGGCAGAACAAGGTTGAATGTTAATCATTTAATTAAAGTTACTGATCAAAGTATTACT 870  
 Qy 721 GAAGGATATGATGATAGTGATGGTATTATTAAAGCACATGATGCTGAAAACCTTAATCTAT 780  
 Db 871 GAAGGATATGATGATAGTGATGGTATTATTAAAGCACATGATGCTGAAAACCTTAATCTAT 930  
 Qy 781 GATGTAACTTTTGAAGTAGATGATAAGGTGAAATCTGGTGATACGATGACAGTGAATATA 840  
 Db 931 GATGTAACTTTTGAAGTAGATGATAAGGTGAAATCTGGTGATACGATGACAGTGAATATA 990  
 Qy 841 GATAAGAATACAGTTCATCAGATTTAACCGATAGTTTTGCAATACCAAAAATAAAAGAT 900  
 Db 991 GATAAGAATACAGTTCATCAGATTTAACCGATAGTTTTGCAATACCAAAAATAAAAGAT 1050  
 Qy 901 AATTCTGGAGAAATCATCGCTACAGGTAATTTATGACAACACAAATAAACAAATTACCTAC 960  
 Db 1051 AATTCTGGAGAAATCATCGCTACAGGTAATTTATGACAACACAAATAAACAAATTACCTAC 1110  
 Qy 961 ACTTTTACAGATTATGTAGATAAATATGAAAATATTAAAGCGCACCTTAAATTAACATCA 1020  
 Db 1111 ACTTTTACAGATTATGTAGATAAATATGAAAATATTAAAGCGCACCTTAAATTAACATCA 1170  
 Qy 1021 TACATTGATAAATCAAAGGTTCCAAATAATAACACTAAGTTAGATGTAGAATATAAGACG 1080  
 Db 1171 TACATTGATAAATCAAAGGTTCCAAATAATAACACTAAGTTAGATGTAGAATATAAGACG 1230

st i c r e s u l t s . t x t

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Qy      1081  GCOCTTT CATCAGTAAATAAAACAATTACGGTTGAATATCAAAAAOCTAACGAAAATCGG 1140
Db      1231  GCOCTTT CATCAGTAAATAAAACAATTACGGTTGAATATCAAAAAOCTAACGAAAATCGG 1290
Qy      1141  ACTGCTAAOCTTCAAAGTATGTTACAAACATAGATACGAAAAAOCATACAGTTGAGCAA 1200
Db      1291  ACTGCTAAOCTTCAAAGTATGTTACAAACATAGATACGAAAAAOCATACAGTTGAGCAA 1350
Qy      1201  ACGATTTATATTAACCOCTCTTCGTTATTAGCCAAAAGAAACAAATGTAATATTTTCAAGG 1260
Db      1351  ACGATTTATATTAACCOCTCTTCGTTATTAGCCAAAAGAAACAAATGTAATATTTTCAAGG 1410
Qy      1261  AATGGCGATGAAGGTTCAACAATTATCGACGATAGTACAATCATTAAAGTTTATAAGGTT 1320
Db      1411  AATGGCGATGAAGGTTCAACAATTATCGACGATAGTACAATCATTAAAGTTTATAAGGTT 1470
Qy      1321  GGAGATAATCAAAATTTAOCAGATAGTAACAGAATTTATGATTACAGTGAATATGAAGAT 1380
Db      1471  GGAGATAATCAAAATTTAOCAGATAGTAACAGAATTTATGATTACAGTGAATATGAAGAT 1530
Qy      1381  GTCACAAATGATGATTATGCOCAATTAGGAAATAATAATGACGTGAATATTAATTTTGGT 1440
Db      1531  GTCACAAATGATGATTATGCOCAATTAGGAAATAATAATGACGTGAATATTAATTTTGGT 1590
Qy      1441  AATATAGATTCACCATATATTATTAAAGTTATTAGTAAATATGACCOCTAATAAGGACGAT 1500
Db      1591  AATATAGATTCACCATATATTATTAAAGTTATTAGTAAATATGACCOCTAATAAGGACGAT 1650
Qy      1501  TACACGACGATACAGCAAACTGTGACAATGCAAAOGACTATAAATGAGTATACTGGTGAG 1560
Db      1651  TACACGACGATACAGCAAACTGTGACAATGCAAAOGACTATAAATGAGTATACTGGTGAG 1710
Qy      1561  TTTAGAACAGCATOCTATGATAATACAATTGCTTTCTCTACAAGTTCAAGGACAA 1620
Db      1711  TTTAGAACAGCATOCTATGATAATACAATTGCTTTCTCTACAAGTTCAAGGACAA 1770
Qy      1621  GGTGACTTGCOCTOCTGAAAAAACT 1644
Db      1771  GGTGACTTGCOCTOCTGAAAAAACT 1794

```

4. Title: US- 10- 615- 383A- 16

Sequence: 1 TYTFTDYVD 9

DE Staphylococcus epidermidis ORF amino acid sequence SEQ ID NO: 5314.

XX

KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;  
KW antibacterial; gene therapy.

XX

OS Staphylococcus epidermidis.

XX

PN US6380370- B1.

XX

PD 30- APR- 2002.

XX

PF 13- AUG- 1998; 98US- 00134001.

XX

PR 14- AUG- 1997; 97US- 0055779P.

PR

08- NOV- 1997; 97US- 0064964P.

XX

PA ( GENO- ) GENOME THERAPEUTICS CORP.

XX

PI Doucette- Stamm LA, Bush D;

XX



st i c r e s u l t s . t x t

DR WPI ; 2002- 381255/ 41.  
DR N- PSDB; ABN93014.

XX

PT Novel i s o l a t e d n u c l e i c a c i d e n c o d i n g a S t a p h y l o c o c c u s e p i d e r m i s  
PT p o l y p e p t i d e , u s e f u l f o r d i a g n o s i n g a n d t r e a t i n g b a c t e r i a l i n f e c t i o n s .

XX

PS D i s c l o s u r e ; S E Q I D N O 5314; 267pp; E n g l i s h .

XX

OC A B N 90538 t o A B N 93374 r e p r e s e n t S t a p h y l o c o c c u s e p i d e r m i s o p e n r e a d i n g  
OC f r a m e ( O R F ) n u c l e i c a c i d s e q u e n c e s w h i c h e n c o d e t h e a m i n o a c i d s e q u e n c e s  
OC g i v e n i n A B P 35124 t o A B P 37960. T h e S . e p i d e r m i s s e q u e n c e s h a v e  
OC a n t i b a c t e r i a l a c t i v i t y a n d c a n b e u s e d i n g e n e t h e r a p y . T h e s e q u e n c e s c a n  
OC a l s o b e u s e d i n t h e d i a g n o s i s a n d t r e a t m e n t o f b a c t e r i a l i n f e c t i o n s ,  
OC p a r t i c u l a r l y S . e p i d e r m i s i n f e c t i o n s . T h e s e q u e n c e s c a n b e u s e d t o  
OC s c r e e n f o r c o m p o u n d s a b l e t o i n t e r f e r e w i t h t h e S . e p i d e r m i s l i f e c y c l e  
OC o r i n h i b i t S . e p i d e r m i s i n f e c t i o n . N . B . T h e s e q u e n c e d a t a f o r t h i s  
OC p a t e n t d i d n o t f o r m p a r t o f t h e p r i n t e d s p e c i f i c a t i o n , b u t w a s o b t a i n e d  
OC i n e l e c t r o n i c f o r m a t d i r e c t l y f r o m t h e U S P T O w e b s i t e

XX

SQ S e q u e n c e 930 A A ;

Query Match 100.0% Score 51; DB 1; Length 930;  
Best Local Similarity 100.0% Pred. No. 23;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TYTFTDYVD 9  
|||  
Db 369 TYTFTDYVD 377